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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 8

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/646,449
		Filing Date	August 22, 2003
		First Named Inventor	Havenga et al.
		Group Art Unit	1636
		Examiner Name	Unknown M. Marovich
Sheet	1	of	8
		Attorney Docket Number	
		2578-4489.IUS (0022 A US 01 DIV)	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MM		WO 96/00326	01/04/96	Reinert, Gary, L., Sr.		
MM		WO 96/12030	04/25/96	Rhone-Poulenc Rorer S.A.		
MM		WO 96/13598	05/09/96	The Trustees of the University of Pennsylvania		
MM		WO 96/24453	08/15/96	Withers, Graham, Rex		
MM		WO 96/35798	11/14/96	Introgen B.V.		
MM		WO 97/12986	04/10/97	Cornell Research Foundation, Inc.		

Examiner Signature	M. Marich	Date Considered	4/15/05
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MM		WO 97/20575	06/12/97	The University of Alabama at Birmingham Research Foundation		
MM		WO 98/49300	11/05/98	Collateral Therapeutics		
MM		EP 1016726	12/30/98	Introgen B.V.		
MM		WO 99/32647	07/01/99	Introgen B.V.		
MM		EP 1067188	07/08/99	Introgen B.V.		
MM		WO 99/55132	11/04/99	Introgen B.V.		

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MHM		WO 99/58646	11/18/99	Genera S.P.A.		
MHM		EP 1020529	11/19/99	Introgen B.V.		
MHM		WO 00/03029	01/20/00	Introgen B.V.		
MHM		WO 01/04334	01/18/01	Introgen B.V.		
MHM		WO 01/90158 A1	11/29/01	Crucell Holland B.V.		
MHM		WO 02/27006	04/04/02	Crucell Holland B.V.		

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First Named Inventor	Havenga et al.
Group Art Unit	1636
Examiner Name	Unknown

Attorney Docket Number 2578-4489 JUS (0022 A JUS 01 DIV)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M M		ABRAHAMSEN et al., "Construction of an Adenovirus Type 7a E1A Vector," JOURNAL OF VIROLOGY, NOV. 1997, P. 8946-8951 Vol. 71, No. 11.	
M M		ANDERSON, Nature, "Human gene therapy," Apr. 1998, Vol. 392, pp. 25-30.	
M M		ATHAPPILLY et al., "The Refined Crystal Structure of Hexon, the Major Coat Protein of Adenovirus Type 2, at 2.9 Å Resolution," J. Mol. Biol. (1994) 242, 430-455.	
M M		BASLER et al., Sequence of the immunoregulatory early region 3 and flanking sequences of adenovirus type 35, 1996, Gene 170:249-254.	
M M		BASLER et al., "Subgroup B Adenovirus Type 35 Early Region 3 mRNAs Differ from Those of the Subgroup C Adenoviruses," VIROLOGY 215, 165-177 (1996).	
M M		BRIDGE et al., "Adenovirus Early Region 4 and Viral DNA Synthesis," Virology 193, 794-801 (1993).	
M M		BRODY et al., "Adenovirus-Mediated in Vivo Gene Transfer," Annals New York Academy of Sciences pp.90-100.	
M M		CHIU et al., Folding & Design, "Optimizing energy potentials for success in protein tertiary structure prediction," May 1998, 3:223-228.	
M M		DE JONG et al., "Adenovirus Isolates From Urine of Patients with Acquired Immunodeficiency Syndrome," The Lancet, June 11, 1983 pp. 1293-1296.	
M M		DEONARAIN, "Ligand-targeted receptor-mediated vectors for gene delivery," (1998) Expert Opin. Ther. Pat. 8: 53-69.	
M M		DIJKEMA et al., "Transformation of Primary Rat Kidney Cells by DNA Fragments of Weakly Oncogenic Adenoviruses," Journal of Virology, Dec. 1979, p. 943-950.	

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M Marovich

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Mm		DOUGLAS J T et al.: "Strategies to accomplish targeted gene delivery to muscle cells employing tropism-modified adenoviral vectors" Neuromuscular Disorders, Pergamon Press, GB, vol. 7, July 1997 (1997-07), pages 284-298, XP002079944 ISSN: 0960-8966.	
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Mh		IMLER et al., "Novel complementation cell lines derived from human lung carcinoma A549 cells support the growth of E1-deleted adenovirus vectors," Gene Therapy, Vol. 3: p. 75-84, 1996.	

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M. Marich

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MM		JOLLY; viral vector systems for gene therapy, 1994, Cancer Gene Therapy, vol. 1, No. 1: 51-64.	
		KANG et al., "Molecular Cloning And Physical Mapping Of The Dna Of Human Adenovirus Type 35," Acta Microbiologica Hungarica 36 (1), pp. 67-75 (1989).	
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		Merriam-Webster Dictionary (on line) retrieved from the internet<URL: http://www.m-w.com/cgi-bin/dictionary , "derive," 2002.	
MM		NGO et al., The Protein Folding Problem and Tertiary Structure Prediction, "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox," 1994, Merz et al. (Editors), Birkhauser, Boston, MA, pp. 433 and 492-495.	

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MM		PRINCE, "Gene Transfer: A Review Of Methods And Applications," Pathology (1998), 30, pp. 335-347.	
		RAGOT et al., "Efficient adenovirus-mediated transfer of a human minidystrophin gene to skeletal muscle of mdx mice" Nature, Macmillan Journals Ltd. London, GB, vol. 361, no. 6413, 1993, pages 647-650, XP002162515 ISSN: 0028-0836.	
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		ROMANO, "Gene Transfer in Experimental Medicine," Drug & News Perspectives, Vol. 16, No. 5, 2003, 13 pages.	
		RUSSELL, "Replicating Vectors for Gene Therapy of Cancer: Risks, Limitations and Prospects," European Journal of Cancer, Vol. 30A, No. 8, pp. 1165	
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		SCHULICK et al., "Established Immunity Precludes Adenovirus-mediated Gene Transfer in Rat Carotid Arteries," The Journal of Clinical Investigation Volume 99, Number 2, January 1997, 209-219.	
MM		SEGERMAN et al.: "Adenovirus types 11p and 35p show high binding efficiencies for committed hematopoietic cell lines and are infective to these cell lines" Journal of Virology, The American Society for Microbiology, US, vol. 74, no. 3, February 2000 (200-02), pages 1457-1467, XP002161682 ISSN: 0022-538X.	

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M. Marich

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MW		SHAYAKHMETOV et al., "Efficient Gene Transfer into Human CD34 ⁺ Cells by a Retargeted Adenovirus Vector," Journal Of Virology, Mar. 2000, p. 2567-2583.	
		STRATFORD-PERRICAUDET LD et al.: "Widespread Long-Term Gene Transfer To Mouse Skeletal Muscles And Heart" Journal Of Clinical Investigation, New York, NY, US, vol. 90 no. 2, August 1992 (1992-08), ISSN: 0021-9738.	
		TOOGOOD et al., "The Adenovirus Type 40 Hexon: Sequence, Predicted Structure and Relationship to Other Adenovirus Hexons," J. gen. Virol (1989), 70, 3203-3214.	
		VALDERRAMA-LEON et al., "Restriction Endonuclease Mapping of Adenovirus 35, a Type Isolated from Immunocompromised Hosts," Journal Of Virology, Nov. 1985, p. 647-650.	
		WICKHAM et al.: "Increased In Vitro and In Vivo Gene Transfer by Adenovirus Vectors Containing Chimeric Fiber Proteins," Journal of Virology, Nov. 1997, p. 8221-8229.	
MW		ZHONG et al.: "Recombinant Adenovirus Is An Efficient And Non-Perturbing Genetic Vector For Human Dendritic Cells" European Journal Of Immunology, Weinheim, DE, vol. 29, no. 3, 1999, pages 964-972, XP000938797 ISSN: 0014-2980.	

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

1636

M. Maruich

Title of Invention	GENE DELIVERY VECTORS PROVIDED WITH A TISSUE TROPISM FOR DENDRITIC CELLS AND METHODS OF USE
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Application Number: 10/646449 *10/646449*

Confirmation Number: 9509

First Named Applicant: Menzo Havenga

Attorney Docket Number: 2578-4489.1US

Art Unit: 1636

Search string: (5837511 or 5846782 or 5849561 or 5856152 or 5871727 or 5871982 or 5877011 or 6033908 or 6057155 or 6100086 or 6287857 or 6306652 or 6486133 or 6492169 or 6669942 or 5994128).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
MAM	1	5837511	1998-11-17	Flack-Pedersen et al.			
	2	5846782	1998-12-08	Wickham et al.			
	3	5849561	1998-12-15	Flack-Pedersen et al.			
	4	5856152	1999-01-05	Wilson et al.			
	5	5871727	1999-02-16	Curiel			
	6	5871982	1999-02-16	Wilson et al.			
	7	5877011	1999-03-02	Armentano et al.			
	8	6033908	2000-03-07	Bout et al.			
	9	6057155	2000-05-02	Wickham et al.			
	10	6100086	2000-08-08	Kaplan et al.			
	11	6287857	2001-09-11	O'riordan et al.			
	12	6306652	2001-10-23	Fallaux et al.			

M. Maruich

4/15/05

13	6486133	2002-11-26	Herlyn et al.
14	6492169	2002-12-10	Vogels et al.
15	6669942	2003-12-30	Perricaudet et al.
16	5994128	1999-11-30	Fallaux et al.

Signature

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M. Manni Ch	4/15/04